Space Science Seminar
WEDNESDAY, 2015 July 22
10:30 a.m.
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Time-Domain Astrophysics with Fermi Spacecraft

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Host: Dr. Linda Sparke

Ongoing observatinos by NASA's Fermi Gamma-ray Space Telescope have shown that the gamma-ray sky is populated by transient sources whose activity varies on timescales as short as a fraction of a second (gamma-ray bursts, terrestrial gamma-ray flashes, and solar flares), to days (Crab nebula and high-mass x-ray binaries), and even years (blazars). I will review some of the recent discoveries made through Fermi observations of these transient events, ranging from the detection of long-lived, high-energy emission from gamma-ray bursts, to the flaring of galactic sources previously believed to be quiescent in nature. I will also discuss a novel method being developed at NASA Goddard to discover entirely new classes of transient sources from within our Galaxy.

http://solarscience.msfc.nasa.gov/colloquia/